



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/796,201	03/10/2004	Noboru Segawa	086531-0136	2432	
22428 7590 !1/21/2007 FOLEY AND LARDNER LLP			EXAMINER		
SUITE 500	SUITE 500			MCCRACKEN, DANIEL	
3000 K STREE WASHINGTO			ART UNIT	PAPER NUMBER	
WARINGTO	N, DC 2 0007		1793		
			MAIL DATE	DELIVERY MODE	
			11/21/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary Examiner	address (30) DAYS, s communication.
Daniel C. McCracken 1793 The MAILING DATE of this communication appears on the cover sheet with the correspondence Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after Six (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (8) MONTHS from the mailing date of this failure to reply within the set or extended period for reply will, by statute, cause the application to become ABADONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) □ Responsive to communication(s) filed on 14 September 2007. 2a) □ This action is FINAL. 2b □ This action is non-final. 3) □ Since this application is in condition for allowance except for formal matters, prosecution as to closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) □ Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 4-12 is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are objected to. 8) □ Claim(s) is/are objected to. 8) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form Priority under 35 U.S.C.	(30) DAYS,
The MAILING DATE of this communication appears on the cover sheet with the correspondence Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.138(a). In no event, however, may a reply be timely filed eiter Stx (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this Tellure to reply within the set or extended period for reply will, by statute, cause the application to become AMONDED (38 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 14 September 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 4-12 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-3 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form	(30) DAYS,
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (5) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. For experience of the provision of the state than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 14 September 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 4-12 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-3 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) is/are objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form Priority under 35 U.S.C. § 119	(30) DAYS,
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filled after Stx (e) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire StX (e) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire StX (e) MONTHS from the mailing date of this communication to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filled, may reduce any seared patent term adjustment. See 37 CFR 1.704(b). Status 1) □ Responsive to communication(s) filled on 14 September 2007. 2a) □ This action is FINAL. 2b) □ This action is non-final. 3) □ Since this application is in condition for allowance except for formal matters, prosecution as to closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) □ Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 4-12 is/are withdrawn from consideration. 5) □ Claim(s) 1-3 is/are allowed. 6) □ Claim(s) 1-3 is/are rejected. 7) □ Claim(s) 1-3 is/are rejected. 7) □ Claim(s) 1-3 is/are rejected to . 8) □ The specification is objected to by the Examiner. 10) □ The drawing(s) filled on 1 is/are: a) □ accepted or b) □ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to . See 37 11) □ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form	s communication.
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a repty be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for repty is specified above, the maximum statulory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to repty within the set or extended period for repty will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any repty received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) ☒ Responsive to communication(s) filed on 14 September 2007. 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☒ Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 4-12 is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☒ Claim(s) 1-3 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) is/are objected to. 8) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form	s communication.
1) Responsive to communication(s) filed on 14 September 2007. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 4-12 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-3 is/are rejected. 7) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form Priority under 35 U.S.C. § 119	he merits is
2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☐ Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 4-12 is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-3 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form Priority under 35 U.S.C. § 119	he merits is
2a) ☐ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☐ Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 4-12 is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-3 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form Priority under 35 U.S.C. § 119	he merits is
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 4-12 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-3 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form Priority under 35 U.S.C. § 119	he merits is
Disposition of Claims 4) ☐ Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 4-12 is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-3 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement. Application Papers 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form Priority under 35 U.S.C. § 119	
4)	
4)	
Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form Priority under 35 U.S.C. § 119	
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a) Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form Priority under 35 U.S.C. § 119	
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form Priority under 35 U.S.C. § 119	
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form Priority under 35 U.S.C. § 119	
·	
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this Nation application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 	al Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application Paper No(s)/Mail Date	

10/796,201

Art Unit: 1793

DETAILED ACTION

Citation to the Specification will be in the following format (S. #: ¶) where # denotes the page number and ¶ denotes the paragraph number. Citation to patent literature will be in the form (Inventor #: LL) where # is the column number and LL is the line number. Citation to the pregrant publication literature will be in the following format (Inventor #: ¶) where # denotes the page number and ¶ denotes the paragraph number.

Response to Arguments

Applicants' correction of the informalities in the Specification as noted in the Non-final Office Action dated 11/16/2007 will be entered. The objection is withdrawn. With respect to the statement in regards to listing references in the specification versus on the IDS, this statement was improvidently made. The two Japanese publications (5-317639 and 10-85533) have been considered, but only insofar as the translated abstract indicates. "The duty of candor does not require that the applicant translate every foreign reference, but only that the applicant refrain from submitting partial translations and concise explanations that it knows will misdirect the examiner's attention from the reference's relevant teaching." *Semiconductor Energy Laboratory Co. v. Samsung Electronics Co.*, 204 F.3d 1368, 1378, 54 USPQ2d 1001 1008 (Fed. Cir. 2000).

At the outset, it is noted that Applicants have utilized "absorbing" and "adsorbing" seemingly interchangeably throughout their remarks. The Examiner presumes this was mistaken and inadvertent. Of course, adsorption and absorption are two different mass transfer processes. The Examiner is interpreting the claims to require adsorption, as drafted.

10/796,201

Art Unit: 1793

Applicants arguments with respect to Cirillo center around the reference's alleged failure to disclose "adsorbing and carrying carbon monoxide generated through an incomplete combustion in a CO area." (Remarks of 9/14/2007 at p. 7, ¶1). Assuming arguendo that Applicants are correct, this is immaterial, as this limitation was cancelled in Claim 1. Applicants further argue that Cirillo does not show the "ozone decomposing area and the CO absorbing [sic] area [being] formed in a common reaction area." The Examiner respectfully disagrees.

First, with respect the newly added limitation, "in which the carbon monoxide is adsorbed and carried," this limitation does not add anything of patentable significance. To say that carbon monoxide as adsorbed in the CO adsorbing area is redundant. The "carried" limitation is somewhat puzzling. The Examiner is interpreting this to mean that there is some sort of bulk flow of CO, *i.e.* CO is "carried." Clearly, Cirillo recites a process wherein gas - including CO - flows or is "carried." *See* (Cirillo 3: 31-31) ("a fan 4 feeds the flow of air to be treated").

As to Applicants' arguments that Cirillo does not disclose the combination of an ozone "decomposing substance" with a "CO adsorbing agent," Cirillo in fact does. Cirillo recites:

As regards the problem of reducing the concentration of harmful oxides, the state of the art essentially proposes catalytic oxidation based on catalysts preferably made up of precious metals such as platinum, cobalt and the like, which are activated at high temperatures. In the present invention, the oxidation is preferably promoted by a **catalytic bed 9** which is active at least at ambient temperature, said bed comprising one or more catalysts.

Representatives of catalysts of the group comprising metal oxides of the first series of the transition series or an active salt thereof are Cu(IV) oxide, NiO, Fe oxide, CuO, ZnO, MnO₂, CuCr₂O₄. Representatives of mixed catalysts are catalysts of the above mentioned group mixed with Pt, Pd, Au, or mixed catalysts of Pt, Pd, Au mixed one with the other. All the above catalysts have

10/796,201

Art Unit: 1793

shown to be active at room temperature or a temperature slightly above the room temperature in a range from room temperature up to 50.degree. C. In a range from about 25° to 35°C particularly good results have shown Fe oxide/Pt catalysts supported on alumina.

(Cirillo 4: 11-30). Suitable "ozone decomponsing substances" can be "an oxide of Mn." (S. 7: 11). Suitable "CO adsorbing members" can comprise "platinum." (S. 7: 18). Cirillo would appear to be describing a preferred embodiment recited in the specification. See (S. 12: 21 et seq., "Fig. 3") (noting that the decomposing substance and adsorbing substance are all mixed together on what might, in conventional terms, be called a catalyst).

As to the amendments to Claim 3, Cirillo clearly recites a "path" through which gas flows. *See* (Cirillo "Fig. 2"). Carbon monoxide is oxidized. (Cirillo 3: 42-43). Finally, the "ozone decomposing area" and "CO adsorbing area" (i.e. the catalyst bed) are in the ventilation path. *See* (Cirillo 4:11 - 4:30) (discussing the catalyst bed) *and* (Cirillo "Figs 2-3").

Turning to Applicants arguments with respect to Cornwall, similar arguments are made. Like Cirillo, and as recited in the non-final office action of 6/14/2007, Cornwall recites manganese dioxide, one of the suitable "ozone decomposing substances" recited by Applicants. (Cornwall 10: 18). To the extent Cornwall may not recite any of the precious metals recited at (S. 7: 18-19), these are not required by Claim 1, only that some sort of adsorption and oxidation occurs, which it does.

Finally, with respect to amended Claim 3, Cornwall clearly recites a "path" through which the gas flows. See (Cornwall "Fig. 1"). Carbon monoxide is oxidized. (Cornwall 6: 62-63). Finally, the "ozone decomposing area" and "CO adsorbing area" (i.e. the catalyst bed,

referred to in Cornwall as a "filter element") are in the ventilation path. See (Cornwall 10:10 -

10:25) (discussing the catalyst bed or "filter 26") and (Cornwall "Fig. 1").

Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found

in a prior Office action.

All rejections from the non-final office action dated 6/14/2007 are expressly

incorporated herein by reference. To the extent any of the preceding discussion addressing

Applicants amendments is necessary to support a rejection, it is expressly incorporated herein by

reference.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

10/796,201 Art Unit: 1793 Page 6

Claiming the individual mass transfer and reaction steps of a normal catalytic reaction

(i.e. "decomposing area" and "adsorbing area") does not impart patentability. All amendments

made in response to this Office Action must be accompanied by a pinpoint citation to the

Specification (i.e. page and paragraph or line number) to indicate where Applicants are drawing

their support.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Daniel C. McCracken whose telephone number is (571) 272-

6537. The examiner can normally be reached on Monday through Friday, 9 AM - 6 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Stanley S. Silverman can be reached on (571) 272-1358. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Daniel C. McCracken
Assistant Examiner

DCM

Stuart L. Hendrickson

Primary Examiner